

NUCLEIC ACID MOLECULES ENCODING RED AND GREEN  
EMITTING LUCIFERASES

ABSTRACT OF THE DISCLOSURE

Isolated nucleic acid molecules which code for luciferases able to produce the  
5 green bioluminescence of *Phrixothrix vivianii* and red bioluminescence of *Phrixothrix*  
*hirtus* are described. The nucleic acid molecules and the luciferases encoded thereby  
can be used in applications such as diagnostic methods and molecular biology tools.

Publ. No. 2000/000000